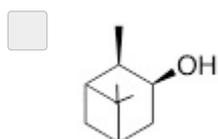
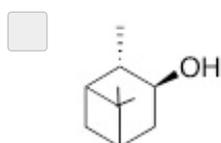
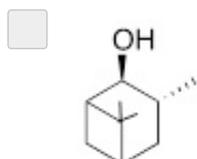
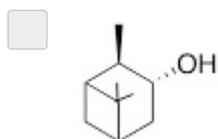
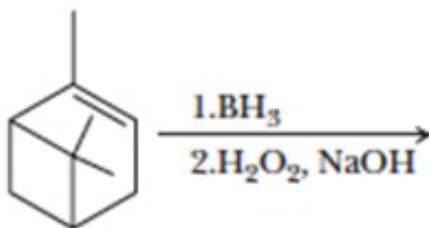
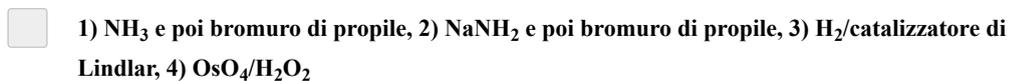
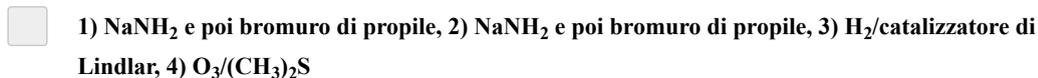
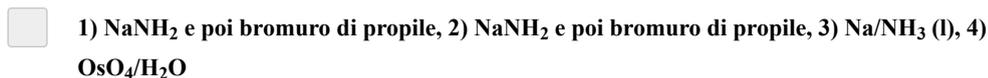
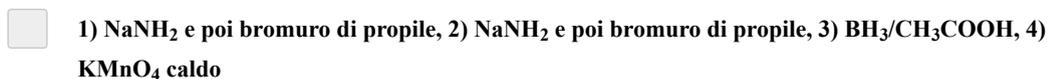
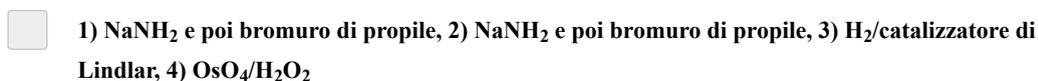


1. Qual è lo stereoisomero predominante che si ottiene dalla seguente reazione?



2. Come può essere realizzata la seguente trasformazione?

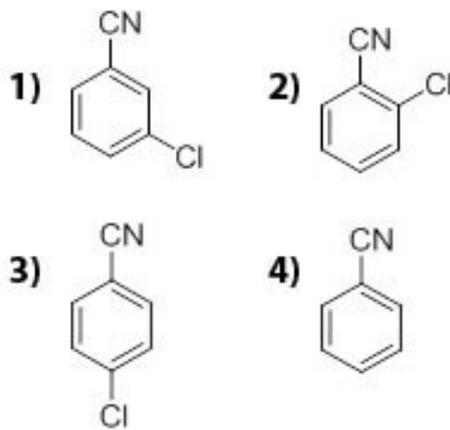
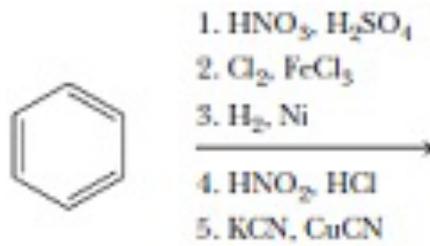
Acetilene  $\rightarrow$  Meso-4,5-ottandiolo



3. Quale dei seguenti alcheni subisce una trasposizione durante l'aggiunta di HCl?

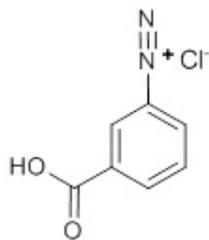
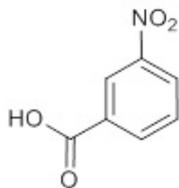
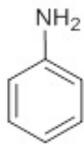
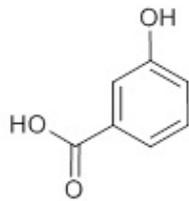
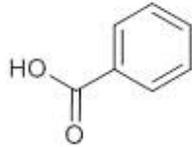
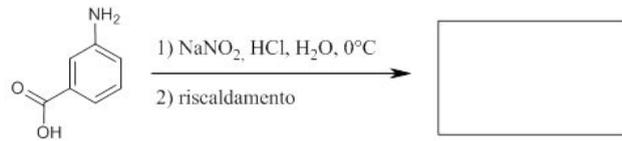
- 1-Metilcicloesene
- 4-Metilcicloesene
- 1-Esene
- 3-Metilcicloesene
- 4-Metil-1-esene

4. Dalla seguente sequenza di reazioni quali (o quale) prodotti si formano?

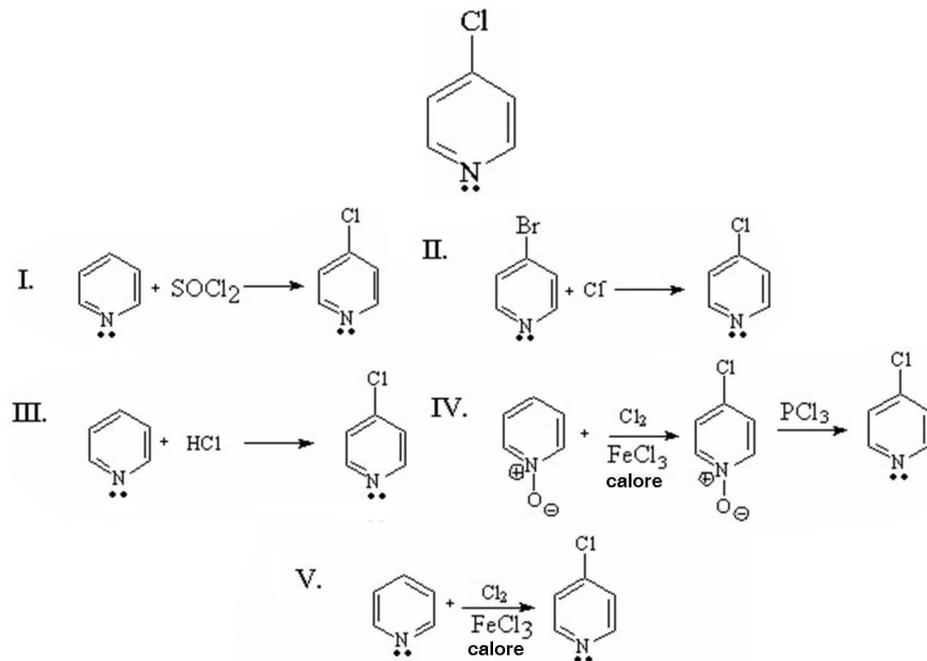


- 2
- 2, 4
- 3
- 1
- 4

5. Il prodotto maggioritario della seguente reazione è:



6. Qual è il miglior metodo sintetico per preparare il seguente composto?

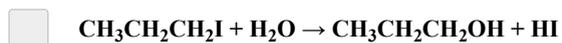
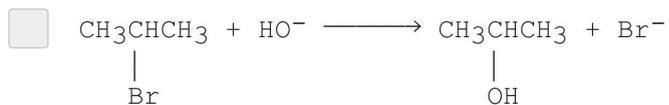
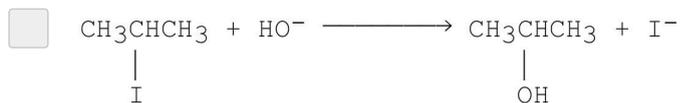


- II
- V
- IV
- I
- III

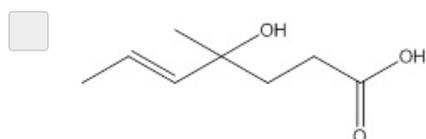
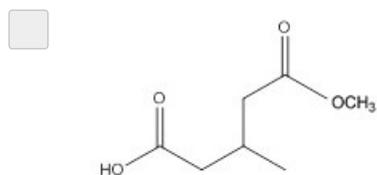
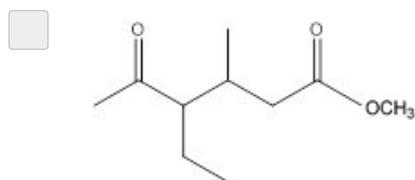
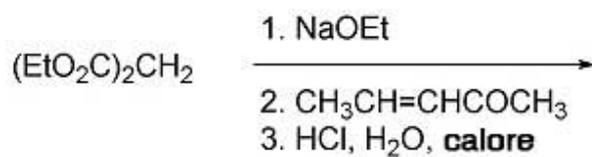
7. Quali reagenti possono essere utilizzati per trasformare l'1-butano in acido pentanoico?

- 1) H<sub>2</sub>SO<sub>4</sub>, 2) Br<sub>2</sub>/CCl<sub>4</sub>, 3) 3 equiv. NaNH<sub>2</sub>, 4) CH<sub>3</sub>I, 5) BH<sub>3</sub>/H<sub>2</sub>O<sub>2</sub>, OH<sup>-</sup>, 6) reagente di Jones
- Reagente di Jones
- 1) PCC, 2) CH<sub>3</sub>MgBr, 3) H<sup>+</sup>/H<sub>2</sub>O, 4) reagente di Jones
- 1) SOCl<sub>2</sub>, 2) Mg/etere, 3) CO<sub>2</sub>
- 1) SOCl<sub>2</sub>, 2) Mg/etere, 3) CO<sub>2</sub>, 4) H<sup>+</sup>/H<sub>2</sub>O

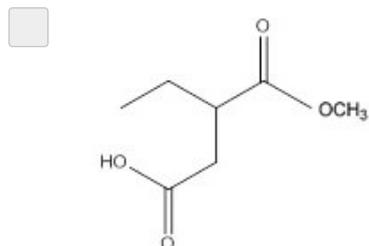
8. Quale delle seguenti reazioni S<sub>N</sub>2 è la più veloce?



9. Indicare il prodotto principale della seguente reazione:

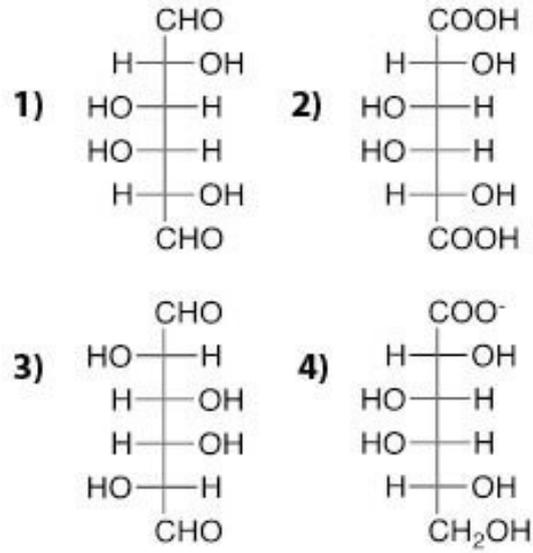


Nessuna delle altre risposte



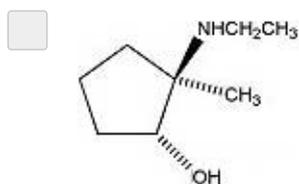
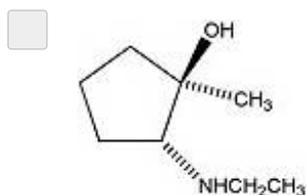
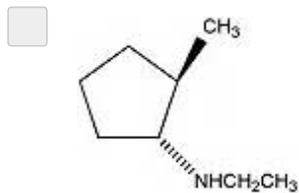
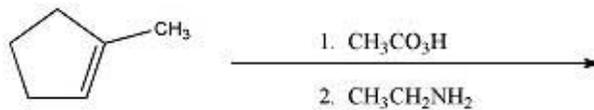
10.

Qual è(sono) il(i) prodotto(i) che si forma(n) quando il D-galattosio reagisce con  $\text{Br}_2/\text{H}_2\text{O}/\text{CaCO}_3$ ?

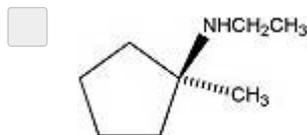


- 2
- 1
- 1, 3
- 4
- 3

11. Qual è il principale prodotto della seguente reazione?



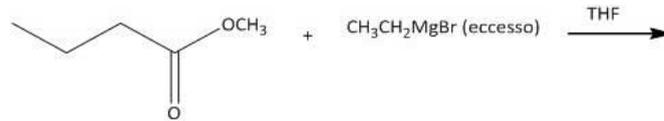
Nessuna delle altre risposte



12. Quali reagenti possono essere utilizzati per preparare l'acido 4-ossopentanoico?

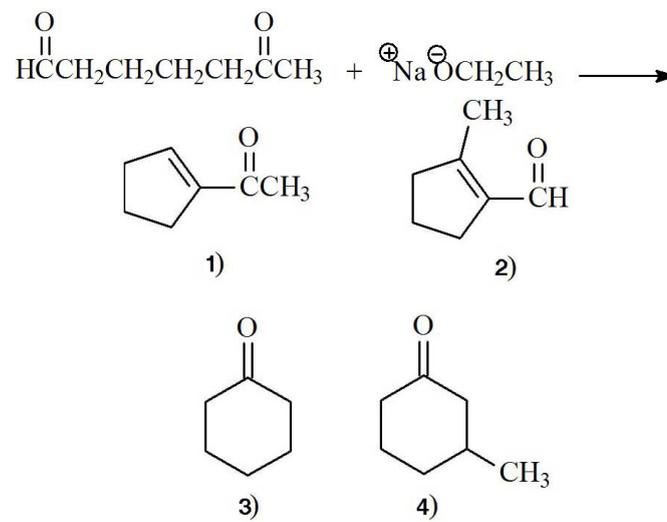
- 1) Acetacetato di etile/ $\text{EtO}^-$ , 2) 2-bromoetanolo, 3)  $\text{OH}^-$ , calore, 4)  $\text{HCl}$ ,  $\text{H}_2\text{O}$ , calore
- 1) Malonato dietilico/ $\text{EtO}^-$ , 2) bromoacetato di etile, 3)  $\text{OH}^-$ , calore, 4)  $\text{HCl}$ ,  $\text{H}_2\text{O}$ , calore
- 1) Malonato dietilico/ $\text{EtO}^-$ , 2) 1-bromopropan-2-one, 3)  $\text{OH}^-$ , calore, 4)  $\text{HCl}$ ,  $\text{H}_2\text{O}$ , calore
- 1) Acetacetato di etile/ $\text{OH}^-$ , 2) acido 2-bromoacetico, 3)  $\text{OH}^-$ , calore, 4)  $\text{HCl}$ ,  $\text{H}_2\text{O}$ , calore
- 1) Acetacetato di etile/ $\text{EtO}^-$ , 2) bromoacetato di etile, 3)  $\text{OH}^-$ , calore, 4)  $\text{HCl}$ ,  $\text{H}_2\text{O}$ , calore

13. Cosa si ottiene dalla seguente reazione?



- Non avviene alcuna reazione
- 3-etilesan-3-olo
- Esanale
- Esan-3-olo
- 3-esanone

14. Quale è il prodotto maggioritario che si ottiene dalla reazione di seguito rappresentata?



- 4
- 3
- Nessuna delle risposte
- 1
- 2

15. Qual è la struttura del prodotto principale della seguente sequenza di reazioni?

